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METEOROLOGICAL DATA REPORT 19319A MLRS Missile Number 338, 342, 347, 350, 334, 359 Round Number 552/DL-66 thru 557/DL-71 10 December 1983

Ъу

DONALD C. KELLER Program Support Coordinator Phone Number (505) 679-9568 AVN Number 349-9568

ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MISSILE RANGE, NEW MEXICO

ELECTRONICS COMMAND



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Round Number 552/DL-66 thru 557/DL-71	6. PERFORMING ORG. REPORT NUMBER
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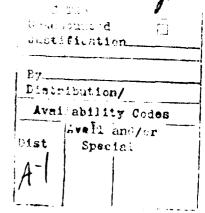
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UNCLASSIFIED

CONTENTS **PAGE** INTRODUCTION-1 DISCUSSION---GENERAL AREA MAP----LAUNCH AREA DIAGRAM----3 TABLES: 1. Surface Observations taken at 1129 MST at LC-33-----2. Anemometer-Measured Wind Speed and Direction, Tower Levels 1, 2, 3, and 4, taken at 1129 MST-----3. Launch and impact Pilot-Balloon Measured Wind Data-----Aiming and T-Time Computer Met Messages-----LC-37 Significant Level Data at 0915 MST-----LC-37 Upper Air Data at 0915 MST-----LC-37 Mandatory Levels at 0915 MST----- 11 WSD Significant Level Data at 1004 MST----- 12 WSD Upper Air Data at 1004 MST----- 13 WSD Mandatory Levels at 1004 MST----- 15 10. LC-37 Significant Level Data at 1129 MST-----12. LC-37 Upper Air Data at 1129 MST-----

13. LC-37 Mandatory Levels at 1129 MST-----





INTRODUCTION

19319A MLRS, Missile Numbers 338, 342, 347, 350, 334, and 359, Round Numbers 552/DL-66 thru 557/DL-71, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1129:10, 1129:15, 1129:19, 1129:24, 1129:28 and 1129:33 MST, 10 Dec 83. The scheduled launch times were 1100 MST with a 4.5 second separation.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

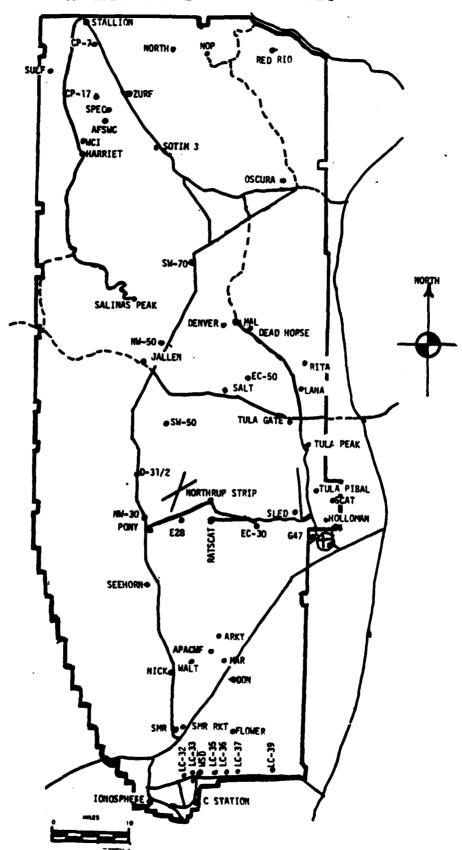
(1) Low level wind data were obtained from pilot-balloon observations at:

SITE AND ALTITUDE
LC-37 2 km
DON 2 km

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

SITE AND TIME LC-37 0915 MST WSD 1004 MST LC-37 1129 MST

WSMR METEOROLOGICAL SITES



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		Launch Area	
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PROJECT SURFACE OBSERVATION

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TABLE	_						S	STATION LC-33	13		
DATE 10	Dec HOM TH	83 VEAR					×	* 484,982.73	7.	X= 484,982.73 Y= 185,957.73 H= 3995.00	3995.00
TINE MST	PRESSUPE mbs	TE:IPERATURE of oc	TURE	DEW PO	Point oc	PELATIVE HUMIDITY %	DENSIJY gm/m	DIRECTION degs In	WIND SPEED kts	CHARACTER kts	VISIBIL- ITY
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TIME: MST 1129 DRY GULB TEIP. 15.3 WET BULB TEIP. 6.9 WET BULB DEPR. 8.4 DEW POINT -2.1 RELATIVE HUMID. 30		-	
H 0 0 7		1129	
	DRY GULB TEI'P.	15.3	
-	WET BULB TEMP.	6.9	
,; <u> </u>	WET BULB DEPR.	8.4	
	DEW POINT	-2.1	
	RELATIVE HUMID.	30	

LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WIND DATA

TABLE 2

WSTM COOORDINATES X=484,982.64 Y=185,957.73 H=3983.00 (BASE)

DATE 11 DAY	Dec 82	AR TIME	<u>s T</u>		
LEVEL #1		12 FT AGL	LEVEL #2		62 FT AGL
T-TIME (SEC)	DIR (DEG)	SPEED (KTS)	T-TIME (SEC)	DIR (DEG)	SPEED (KTS)
т-30	318	15	T-30	298	17
T-20	311	15	T-20	287 .	13
T-10	300	12	T-10	307	15
T- 0(1st T)	326	10	T- 0(1st T)	306	16
T+10	304	11	T+10	302	15
T+20	323	09	T+20	304	15
T+30	297	10	T+30	303	15
T+40	298	10	T+40	298	12
T+50	297	10	T+50	298	12
T+60	292	10	T+60	289	14
LEVEL #3		102 FT AGL	LEVEL #4		202 FT AGL
T-TIME (SEC)	DIR (DEG)	SPEED (KTS)	T-TIME (SEC)	DIR (DEG)	SPEED (KTS)
T-30	288	18	T-30	291	18
T-20	283	12	T-20	295	16
T-10	300	15	T-10	297	14
T- 0(1st T)	302	15	T- 0(1st T)	291	15
T+10	297	15	T+10	294	17
T+20	294	15	T+20	290	17
T+30	292	15	T+30	290	15
T+40	291	14	T+40	290	14
T+50	289	15	T+50	288	15
- T+60	280	17	T+60	270	16

T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 10 December 1983

SITE: LC-33

TIME: 1129 MST

WSTM COORDINATES:

X = 484,837.34

Y= 184,124.44

H= 3,975.57

SITE: DON

TIME 1137 MST

WSTM COORDINATES:

X = 511,988.37

Y= 247,396.36

H= 3,996.83

LAYER MIDPOINT		SPEED
METERS AGL	DEGREES	KNOTS
SURFACE	326	10
150	287	15
210	279	17
270	276	18
330	273	18
390	270	19
500	268	18
650	268	17
800	272	18
950	274	17
1150	287	13
1350	296	18
1550	299	18
1750	303	17
2000	312	16

Data obtained from a Double Theodolite Tracked pilot-balloon observation.

LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS
SURFACE	270	04
150	270	10
210	292	10
270	277	10
330	282	15
390	274	18
500	280	18
650	281 ·	18
800	282	18
950	277	21
1150	278	20
1350	282	21
1550	289	16
¹ 1750	291	18
2000	297	23

Data obtained from a RAPTS T-9 Radar Tracked pilot-balloon observation.

AIMING AND T-TIME COMPUTER MET MESSAGE DATA 10 December 1983

LC-37 0915 MS	т	WSD 1004 M	(ST	LC-37 112	9 MST
	_		-		
METCM1324063		METCM13240	104	METCM1324	063
101630124879		1017101228	381	101850124	879
00089004 286	00879	00462006	28920881	00480010	28880879
01044005 285	30868	01469013	28760871	01474013	28740868
02592005 282	80842	02507017	28530845	02492018	28490843
03516013 279	00802	03505022	28140806	03507019	28110803
04489031 274	50752	04500022	27650758	04512026	27630756
05512050 275	00709	05522037	27330712	05532040	27460710
06521053 271	70666	06513050	27260669	06529053	27300667
07526058 269	30626	07525059	27130629	07534054	27020627
08543074 268	10587	08554064	27030590	08541066	26890588
09553076 265	20551	09548076	26720554	09535082	26570552
10540088 261	30516	10537078	26330520	10529085	26160518
11531097 257	20483	11525076	25850487	11528083	25690485
12511090 250	80437	12515076	25150440	12521081	25040438

د		
SIATION ALTITUDE 4031.37 FEET MSL	5 HRS MST	
UDE 4651.	160	2
ALT11	63	2
SIATION	10 DEC.	ASCH NO.

SIGNIFICANT LEVEL DAIA 3440160179 LC-37

STATES ASSESSED SECURED SECURED SECURED SECURED SECURIORS

6E0DETTC COUNDINATES 32-40175 LAT DEG 106-31232 LON DEG

TEI AIH DEGREI 12.2
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1 10
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15
-4.0
-13
-27
-35
3.6
34

ANDONE BOOMERS SEEDING

್ ್ ಚ		-	UPPER AIN DAT 34401/0179 LC-37 TABLE 6	19 79 79 19 19 19 19 19 19 19 19 19 19 19 19 19		6EODETIC 32.4 106.3	ETIC COUNDIMATES 32-40175 LAT DEG 06-31232 LOJ DEG
#76.5 #64.5 #30.1 #30.1 #30.1 #17.6 #17.6 #17.6 #17.6 #4.6 #4.6 #4.6 #4.6 #4.6 #4.6 #4.6 #4	APERATUPE DEWPOTAT S CENTIGRADE	KEL.HUM. PERCENT	DENSITY GM/CURIL METER	SPETL OF SOUND KNOIS	WI, U DATA	ATA SPEEU KNOTS	Trucx of REFRACTION
######################################	7		1060 0		9		
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017.0 017.0 130.0 13	6.5 -	35.8	1029.4		304.4	6.5	1.000
787.7 786.7	1.0-	39°3	1015.9	652.4	5.67°	8.6	•
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744.6 730.0 730.0 700.0 700.0 890.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0 800.0	-A-1	•	•	645.3	276.6	25.3	1 • 00023
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	-24.5	14.5	•	643.2	292.0	54.2	1.000
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0 627.3	VΛ) t -	•	041.0	292.5	54.9	1.000
610.0 60.00	-27.7	14.0	812.3	639.0	497.4	58.0	
0000	-27.u	14.0	-	1.689	6667	60.0	1.00
3 0 0 0	-27.5	14.0	780.9	639.3	363.0	63.0	1.00
	-2H•3	13.8	768.2	638.3	305.7	66.2	1.00
5-690	20.02	3.6	743.6	636.3	306.3	72.9	00:1
. 4. 45¢	-30.8	13.1	731.5	635.3	307.4	76.3	00-1
ı	-31.6	13.1	20.	634.1	306.8	7.67	1.00
2000 D. C.	₹	13.5			202.4	82.9	1.00
1,000 550.0 ±10.7	7 * K # (13.9			1.400	85.5	1.00
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470.5	4.08-	16.5	47		290.0	69.3	1.00
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25n0.0 429.b -23.	-4(1			615.7		91.3	00.1
3	7.04	50.4	•	614.1	284.6	92.3	

UPPER AIR DATA 3440186179 LC-37 TABLE 6 (cont'd)

GEODETIC COONDINATES 32-40175 LAT DEG 106-31232 LON DEG

INDEX OF REFRACTION	1.000128 1.000124 1.000124 1.000120 1.000118 1.000113 1.000113
101	95.0 96.4 97.9 101.9 104.0
JE WIND DA!A UTRECTION SPEE DEGREES(TN) KHOT	2663.4 2663.4 2664.3 2664.3 2664.3
SPEED OF SOUND KNO1S	610.0 609.4 606.0 606.7 605.3 604.1 604.1
DENSITY S GM/CUBIC METER	542. 5522. 5522. 5523. 5524. 5536. 5536. 5536. 5536.
KEL.HUM. PERCENT	20000000000000000000000000000000000000
EMATUPE VEWPOTHT CENTIGRADE	6.46.00 4.00 6.00 6.00 6.00 6.00 6.00 6.
TESS AIN DEGREES	122.7 132.7 132.7
PRESSUME IEKMENATUPE AIN DEWPOTHT MILLIDAMS DEGREES CENTIGRADE	405.7 595.5 586.6 576.7 556.9 555.8 547.6
GEUMETRIC ALIITUDE MSL FEET	24500.0 24500.0 25500.0 25500.0 26500.0 27500.0 27500.0

E 4051.37 FF.T MSL 4915 HKS MST	
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STATION ALTITUDE 10 DEC. 83	NSCENSION NO.

MANDATORY LEVELS 3440180179 LC-37

GEODETIL COONDINATES32.40175 LAT DEG
106.31232 LON DEG

MIND DATA	DIRECTION SPELD UEGREES(TN) KNOTS	26.5 3.9					303.8 65.9				_	
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TEMPERATURE	CENTIGRADE	-6.0	-0.0	-9.3	-22.5	-25.8	-21.7	-31.5	-34.8	-38·4	-42.9	9-94-
TEMP	DEGREES C	6.6	5.1	•	1.2	-2.7	-t.3	-8.0	-13.9	-20.5	-27.9	-32.6
GEUPUTFN1 TAL	FECT	4952.	65A9.	8302.	10124.	12063.	14135.	16369.	18771,	21362.	24180.	27288.
PHESSURE (MILLIBAKS	A50.	800.0	750·U	700.0	A50.0	60U·n	550.n	200∙0	450.0	400+	350.0

SYBB. NO FEET MSL	1004 HRS MST	
		JO. 019
TOU AL	10 LEC. B3	L STORY
SIAT	3 3	ASCE

RESERVATE TRANSPORT EXPERSES TRANSPORT FOR PROPERTY OF THE

SIGNIFTCANT LEVEL DAJA 3440020619 WHITE SAINDS

GEODETIC COOKDINATES 32-40043 LAT DEG 106-37033 LOH DEG

REL'HUM. PERCENT	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	31.0 33.0
TEMPERATU _K E IR DEWPOINT REFS CENTIGRADE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 * # # 4 * 5 * 0 5 * 5 * 0
TEMPER AIR (DEGREES (6 9 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-33.6 -34.5
GFONETRIC ALTITUDE MSL FEET	3989.0 4219.6 4090.6 9077.2 9755.9 10187.9 11450.7 12920.9 14467.6 17214.7 20899.4 23192.6	26939•0 27381•2
PRES _S UME		357.9 2

STATION ALTITUDE 3989.Au FFET MSE 10 DEC. 83 1004 HRS MST ASCEMSION NO. 019

A LANCE SOME PRESENT PROGRESS SOMEON

UPPLR AIK DATA 3440020619 WHITE SANDS

6E00LTIC COUNDINATES 32-40043 LAT DE6 106-37033 LON DE6

GE UME TRIC	PRESSURE	1Eng	ENPERATURE	KEL . HUM.	DE _N S11Y	SPEEL OF	ALLU DATA	٨.	INDEX
ALTITUDE MSL FEET	AII MILLIDAKS DEGR	~ 4	UENPOINT CENTIGRADE	PERCENT	د	SOUND	DIRECTION DEGREES(IN)	SPEED	OF REFIRACT 1014
3989.0	₩•18A	14.8	ۍ. ا	34.0	1063.7	h•199	260.0	0.9	1.000263
4000.0	18191	14.8	-1.1	m	1063.4	661.0	200.4	6.1	1.000203
4500.0	•	•	2.4-	•	1050.3	0.099	272.7	ð.0	.00025
2000.0	2017・1		1.4-	31.0	1036.5	c58.3	-	12.6	9
5500.0	H34 • 1	10.4	J. 7-	'n	1022.7	656.7	282.0	16.0	•
0.0000	110.1	•	-5.2	36.2		655.0	284.1	19.5	.00054
0.00Sa	M03.h	7.5	•r,•6	ë	995°0	653.3	282.5	21.1	•
7000.0	180.8		1.y-	41.3	982.4	651.0		22.5	00023
7500.0	174.3	4.6	9.9-	43.9	h*696	9.649	281.7	22.3	•
8000.0	760.0	3.1	-7.2	46.5	956.6	648.1	262.4	22.4	•
0.0050	D•0#/	1.7	6-1-	•	0. 220	4.949	286.0	26.4	n0022
2000.0	134.3	?	۲•۴− د•۴−	51.6	931.6	2.449	289.0	30.5	1.000224
9500.0	/1d·b	7•5	-12.3	39.5	916.1	0.440	292.0	35.3	.0002
10000.0	0.00	2.5	-16.7	.	1.668	643.9	293.7	_	00000
10500.0	1.169	2.5	-19.3	ċ	485.4	643.8	292.6	•	•
11000.0	1.070	 J.	-21.3	18.8	866.6	643.5	288.7	4A.9	1.000199
11500.0	6.099	Ð. I	-23.4	o	851.2	643.1	268.2	50.5	•
12000.0	053.3	-1.2	-24.0	ŝ	836,5	0.249	290.4	52.8	•
12500.0	7.050	-1.1	-24.7	S	822.1	0.249	•	54.7	•
13000.0	620.B	-2-1	-25.2	S.	807.6	641.5	297.7	56.2	1.000184
3500	610.9	•	-25.3	15.0	792.8	4.149		57.8	
4000	600·1	-2.3	-25.4	ċ	778.0	.041.3	306.6	61.4	•
14500.0	7.666	-2. 5	-25.5	ŝ	•	641.1	308.3	0.99	•
15000.0	586.3	•	-56.4	14.8	751.8	636.6	309.7	70.7	•
15500.0	271.1	•	-27.4	÷	740.2	638.7	309.1	73.6	•
10000.0	1.095	-5.5	-24.3	74.4	728.7	637.5	307.t	75.7	1.000165
10500.0	カ・イカの	•	-20.3	÷.	717.4	630.3	306.2	77.8	•
/00u.	530.9	•	-30.2	3	•	635.1	304.0	78.5	•
7500.	520.4	-8-	-30∙8	14.7	6.569	633.6	302.6	78.2	•
•	218.1	•	-31.2	S)	686.1	631.9	301.0	•	•
18500.0	501.9	•	-31.7		-	630.1	294.0	•	•
	7.76	•	-32.2	18.3	6.999	626.3	298.5	•	•
•	484.0	-14.6	-32.7	ċ	•	620.5	596.8	•	•
20000.	470.5	•	-33.4	ċ	647.9	U24.B	2.45.1	•	1.000146
20500.0	460 · H	-17.5	-34 • 0	22.0	638.6	623.0	293.7	77.5	.0001
21000.0	する人のま	19.0	+9/1-4	'n	4.629	621.2	292.9	•	9
21500.0	450.0	-20.3	-33.9	28.3	619.8	÷	•	83.1	1.000140
22006.0	2.035	-21.1	-33.7	32.6	610.4		290.2	•	.0001
<500¢7	431.8	-23.0	-33.u	~	2.100	610.2	288.3		0001
23000.0	452.9	ち・セルー	-37.7	41.3	592.1	614.0	285.6	:	•

UPPER AIR DATA	3440020619	WHITE SANDS	
	3989.00 F , T MSL	1004 HRS MST	
	SIATION ALTITUDE .	10 DEC. 83 1004 HRS MST	

CHANNEL STATEMENT PROPERTY STATEMENT STATEMENT

6E0DETIC COOKDINATES 32-40043 LAT DE6 106-37033 LOH DE6		Index	HEF HACT 10H	1.000132	1.000129	1.000126	1.000124	1.000122	1.000120	81,000.1	1.000116
SEODE 7 1 32 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	IA SPEFO	KNOTS	70.8	78.9	85.7	88.7	91. A	87.2	82.5	}
		WIND DAJA	DEGREES (TN)	282.6	281.6	280.b	260.2	279.7	278.3	276.8)))
<u>د</u> ت	(p	PEEU OF SOUND	KNO1S	613.3	612.4	611.2	609.5	607.9	6000	604.5	602·8
3440020619 White Sanus	TABLE 9 (cont'd)	HEL.HUM. DFHSITY SPEED OF PERCENT GM/CUBIC SOUND	METER	582.2	571.9	562.1	553.3	544.0	536.0	527.7	519.3
	TAB	HEL . HUM.		39.5	33.8	30.1	30.3	30.4	30.6	30.8	31.3
T MSL MST		PRESSURE TEMPERATURE AIR DEMPOINT	CENTIGRADE	-35.1	-57.3	-39.3	1.04	-41.5	1+2.1	-43.8	8.04-
19.00 F. (1EHD Alk	DEGREES	-25.4	-56.1	-27. 0	-28.4	1-66-	-31.1	-32.4	-33.7
.11100c 398 119		PRESSURE	MILLIBAKS	414.2	402.6	20166	38c•#	280.6	372.5	2.490	357.u
SIATION ALTITUDE 3989.00 F T MSL 10 DEC. 83 1004 RMS MST ASCENSION RU. 619		GEOMETRIC PRESSUME ALITUDE	MSL FEET	23500.0	24000.0	24500.0	25000.0	25500.0	25000.0	26500.0	27000.0

3949.00 PF. T :: SL	Long MKS MST
•	1004
ALTITUDE	Š.
SIATION	ASCENSION NO.

MANDATURY LLVELS 3440020619 WHITE SANDS

6E0DETIC COCHDINATES 32.40043 LAT DEG 106.37033 LON DEG

			TABLE 10			901
PHESSURE	PRESSURE GEUPOTENTIAL		ERATURE	HEL . HUM.	O ONIM	AIA
MILLIBAKS	FEET	AIR DEGREES (AIR DEWPOINT LEGREES CENTIGRAUE	PERCENT	T DIRECTION SPEE DEGREES(IN) KNO	SPELD KNO1S
850.		11.9	7.4-		278.5	12.5
r.00%		7.2	-5.7	39•		21.5
750.0		2.1	-7.7	40.		25.3
700.u	10178.	::	-18.2	24.		40.8
65U•A		-1.4	-24.2	10.		53.3
6.00.3		-2.4	-25.4	15.		65.3
550.0		-6.4	-29.5	14.		77.7
200.0		-12.8	-32.1	10.		75.1
450.0		-20.3	-33.9	20.		85.1
400		-26.6	-38.9	30.		84.3

STATION	STATION ALTITUDA	ADDI-17 FILL I MA
10 DEC. 83	83	1129 HRS MST
ASCENSION NO.		

SIGNIFICANT LEVEL DAIA 3440180180 LC-37

AND THE PROPERTY OF THE PROPER

The same

GEODETIC COORDINATES 32-40175 LAT DEG 106-31232 LON DEG

KEL . HUM. PERCENT		24.0		_	35.0	14.0	_	•	•	•	•	•	15.0	•	•	•		•	•	•	•	•	•	•	20.0	24.0	0.02	20.0
TEMPERATUNE IK DEMPOINT REES CENTIGNADE	-3.3		_	7.0-	-0·4	+- 2-	-8.5	-13.3	-20.2	-21.8	-21.7	-26.1	-20.2	-27.6	-2p.3	-27.6	-30.0	-30.3	-33.4	-32.3	-32.7	-34.6	-36.6	-40.3	-45.6	-43.6	9.55-	40.0
TEMPEI AIK I DEGREES	5.0		11.9	8.6	8•1	3.7		•	1.5	2.1	1.3	-3.2	-3.3	-5.1	0.6-	-12.3	-14.4	-15.6	ċ	-23.0	-25.4	-25.8	-28.0	•	•	-29.6	-29.1	-33.7
GFOWE PAC ALTATUDE MSL FEFT	51.4	400.04	4971.3	6126.3	6285.3	1757.1	8963.0	9426.0	0.1776	10172.6	10011.7	12584.3	14145.4	15140.6	17040.3	18195.9	18850.0	-	=	_ =	22994.3	23414.7	24271.4	_	2605u•8	26.35a • 6	27003.1	28580.3
PHESSUME MILLINAMS	870.8	2	S	-	810.1	766.9	735.6	720.0	716.7	•		េ			537.4			ص	Ŋ	J.	•	۲.	•		۲.	0	356.1	80

UPPER AIR DATA 3440180180

THE STREET STREET WHEN INTERES TO THE STREET STREET STREETS STREETS STREETS STREETS STREETS STREETS

GEODETIC COURTLAIFE

STATION ALTITUDE 4051.37 PEET MSL 10 DEC. 83 1129 HMS MST ASCENSION NO. 160

MAESSUKE TEMPERATURE KEL-HUMM MILLIDANS DEGREES CENTIGRADE BY AIN DEWPOILIT PERCENT BY B	10 DEC. 83		1129 HKS	MST		2440180180 LC-37	3		GEODETIC	C COUNDINATES
TABLE 12 TEMPERATURE TEMPERATOR TABLE 12 MINU DATA	SCENSION					; ;			7	HOLYS LAT DEG
PRESSURE FERFERATORE HEL-HUMB DENSITY SPEEL OF WIAND DATA									106.	.31232 LO _{i, D} E6
MILLIAMY DENKES CHITGRADE METER KNOTS DEREESTIN NOOTS HEFRE MILLIAMY DENKES CHITGRADE METER KNOTS DEREESTIN NOOTS HEFRE MOSS	EUME TR 1C	PRESSURE		PEKA fure	KEL.HUM.	DENSITY	SPEEMOF	AC 1541W	A : 1	7
### UPD-10 15-4 28-0 1060.3 662-0 270-0 9-9 18-8 15-9 28-9 1060.4 662-0 270-0 9-9 18-9 19-9	L11100E		AIK	UEMPOTAT	PERCENT	GM/CURT.	20105			Y DE Y
4 15.0 -5.3 28.0 1060.3 662.0 270.0 9.9 11.9	SL FEET	MILLIDARS	DEGNEE	CENTIGRADE		METER	KNOTS	DEGREES (1N)	KNOTS	OF KEFRACT10N
864.0 13.4 -5.7 25.9 1099.4 660.0 274.6 11.9 835.7 101.0 -6.1 32.6 1099.4 660.0 274.5 11.9 835.7 101.0 -6.1 32.6 1009.1 654.9 284.4 11.9 761.0 7.2 42.4 42.4 495.9 649.9 284.4 19.5 73.1 1.7 -7.2 42.4 495.9 649.9 284.4 19.5 73.2 3.0 -7.2 42.4 495.9 648.0 284.4 19.5 73.2 3.0 -7.2 42.4 496.9 648.0 284.6 19.5 73.2 3.0 -7.2 42.4 496.9 648.0 284.9 18.9 73.4 3.0 -7.2 42.4 496.9 648.0 284.9 18.9 73.4 3.0 -7.2 42.4 496.9 648.0 284.9 18.9 73.4 3.0 <t< td=""><td>4051.4</td><td>879</td><td>15.0</td><td>5.00</td><td>28.0</td><td></td><td></td><td>0 020</td><td></td><td></td></t<>	4051.4	879	15.0	5.00	28.0			0 020		
649.1 11.8 -5.0 25.1 1036.1 656.6 278.5 14.1 11.9 610.4 -6.1 30.8 1022.5 656.6 2282.9 16.4	4500.0	964.0	-	-5.7	25.0	2000	0.200	2,460	•	•
633.7 100.4 -6.1 30.8 1022.6 556.6 280.9 16.4 16.4 16.4 16.4 16.4 16.4 16.5 280.6 280.6 16.4 16.5 16.4 16.5 16.4 16.5 16.4 16.5 16.6	5000.0	1.649			20.1	T 7201		6.4.0 .7.0	:	1.000252
Miles 9.0 -6.5 30.5 100.5 564.9 282.9 10.5 Miles 9.0 -6.5 30.3 30.5 563.2 284.8 10.5 Miles 1.0 -7.5 42.4 965.9 664.7 224.8 10.5 Miles 1.1 -21.7 15.5 82.0 646.0 226.9 31.5 Miles 1.1 -21.7 15.5 82.0 646.0 229.8 44.4 Miles 1.1 -21.7 15.5 82.0 646.0 229.8 44.4 Miles 1.2 -22.7 15.0 82.0 646.0 229.8 44.4 Miles 1.2 -22.7 15.0 82.0 646.0 229.8 Miles 1.2 -22.7 15.0 82.0 646.0 229.8 Miles -22.7 15.0 82.7 640.2 229.8 Miles -23.7 -24.0 15.0 82.0 62.0 Miles -23.7 -24.0 15.0 62.0 62.0 Miles -23.7 -24.0 62.0 62.0 Miles -23.7 -23.0 64.0 62.0 Miles -23.0 64.0 62.0 62.0 Miles -23.0 64.0 64.0 62.0 Miles -23.0 64.0 64.0 64.0 Miles -23.0 64.0 64.0	5500.0	433.				1.0001		5.8.3	14.1	1.000250
Mailer M	0.0004	A LAIN		7.0	0.00	1062.5	9299	580.9	16.4	00024
74.5 4.5 -7.2 42.4 982.9 653.2 2244.4 19.5	6000	4000	•	3. 0.	32.0	1000.1		282.8	18.2	+00024
74.5 9.0 7.6 49.4 969.9 649.7 284.6 22.3 1.6 1.6 1.7 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	0.0002	96208	•		36.3	495.9		284°4	19.5	10000
7(45) 445 769.9 649.7 284.6 25.8 7(45) 17.2 45.3 945.9 644.6 291.7 31.9 7(45) 17.1 146.6 945.9 644.6 291.7 31.9 7(10.4) 1.3 -14.1 32.2 945.1 644.6 296.3 31.9 11.0 7(10.4) 1.4 -21.1 16.2 945.0 644.6 296.3 31.9 11.0 11.0 296.3 31.9 11.0 11.0 296.3 11.0 11.0 11.0 296.3 11.0 </td <td>0.000</td> <td>0.007</td> <td>•</td> <td>P•9-</td> <td>39.4</td> <td>982.b</td> <td>651.4</td> <td>284.8</td> <td>22.3</td> <td>10000</td>	0.000	0.007	•	P•9-	39.4	982.b	651.4	284.8	22.3	10000
(31.6 -7.0 45.3 956.9 648.0 287.9 30.3 17.0 46.6 943.7 648.0 289.7 30.3 17.0 17.0 14.3 32.2 913.7 648.0 289.7 30.3 17.0	•	つきと	•	-7·Z	±0.0±	9.69.	2.649	584.6	25.8	•
143.6 1.4 1.	•	K•KG/	•	-7.	45.3	956.9	0.849	287.9	28.2	•
73.50		1.62.	_	-8·1	48.0	943.7	640.4	291.7	E - 0E	
74.0.0 74.0.1 74		9.167	ů	n•6-		930.1	645.0	296.3	31.0	
094.6 1.8 -21.1 16.3 8492.0 646.2 300.0 55.4 1.8 5.5 1.0 1.8 5.7 1.0 1.8 5.5 1.0 1.8 5.7 1.0 1.8 5.7 1.0 1.8 5.7 1.0 1.8 5.7 1.0 1.8 5.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	•	0.01/	•	-14.3	•	913.7	5440	298.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•
991.4 1.7 -21.7 15.5 845.8 646.0 299.8 44.4 65.0 65.0 -4 -27.2 15.9 845.8 646.0 299.2 48.6 15.0 65.0 -4 -27.2 15.9 845.9 646.0 299.2 48.6 15.0 15.1 845.9 299.2 48.6 15.0 15.1 845.9 299.2 59.0 299.2 55.0 15.0 15.0 15.0 15.0 15.0 299.6 55.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	•	9.40/	•	-21.1		892.0	640.2	300.0	30.0	12000
053.0 -27.2 15.9 962.1 645.0 299.2 48.8 053.0 -4 -23.4 15.5 849.6 640.5 298.9 51.0 053.0 -3.0 -26.9 15.1 825.7 640.5 298.6 55.0 053.0 -3.0 -26.1 15.0 767.3 640.5 299.4 55.0 053.0 -3.0 -26.1 15.0 767.3 640.1 299.4 55.0 061.0 -3.0 -26.1 15.0 767.3 640.1 299.4 55.0 061.0 -3.0 -26.1 15.0 767.3 649.1 500.3 57.7 061.0 -3.0 -26.2 15.0 767.3 649.3 502.3 57.7 061.0 -3.0 -26.2 16.0 767.3 639.3 502.3 57.7 061.0 -3.0 -26.2 16.0 767.3 639.3 502.3 50.7 061.0 -3.0 -2	_	5.160	•	-21.7	ທໍ	875.8	645.0	299.8	7 7 7	•
655.6 4 -23.4 15.6 849.6 645.5 298.6 53.3 655.4 7 -24.0 15.3 849.6 640.5 298.6 53.3 640.5 -3.0 -25.9 15.0 840.6 298.6 53.3 620.5 -3.0 -26.1 15.0 745.4 640.2 302.7 610 610.5 -3.3 -26.2 15.0 767.3 640.2 302.7 610 610.5 -3.3 -26.2 15.0 767.3 640.2 302.7 610 610.5 -3.3 -26.2 15.0 765.4 640.2 302.7 610 610.6 -3.5 -26.7 15.0 765.4 640.1 57.7 610 610.6 -4.0 -26.7 15.0 743.4 640.1 562.1 670.1 640.1 562.1 670.1 570.1 670.1 670.1 570.1 670.1 670.1 670.1 670.1 670.1	•	676.11	9.	-22.2	5	862.1	645.0	2,660	7 4	•
053.0 -1.7 -24.0 15.3 837.7 640.5 298.6 53.3 052.0 -3.0 -25.9 15.1 825.7 640.5 299.6 55.3 010.0 -3.0 -26.1 15.0 795.4 640.2 302.3 57.7 010.0 -3.0 -26.1 15.0 767.3 640.2 302.3 57.7 010.0 -3.0 -26.2 15.0 767.3 640.2 302.3 57.7 010.0 -3.0 -26.2 15.0 767.3 639.3 302.7 61.0 010.0 -4.0 -27.4 15.0 767.3 639.3 302.7 61.0 010.1 -5.0 -27.4 15.0 757.4 61.0 17.7 17.1	•	p65-t	* •••	-23.4	S	8.649	54300	0.450		•
040.7 -3.0 -25.9 15.1 825.7 640.5 299.6 55.0 10.0 10.0 10.0 10.0 299.6 55.0 10.0 10.0 10.0 299.6 55.0 10.0 10.0 10.0 299.6 55.0 10.0 10.0 299.6 56.3 10.0 10.0 10.0 299.6 56.3 10.0 10.0 10.0 10.0 299.7 65.1 10.0 10.0 10.0 10.0 10.0 299.7 65.1 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1	•	653.C	-1.7	-24·0	15.3	B37.7	0.040	466	•	•
02000 -3.2 -26.1 15.0 810.8 640.2 300.9 56.3 01000 -3.3 -26.1 15.0 785.4 640.2 302.3 57.7 093.2 -3.3 -26.2 15.0 767.3 639.3 302.3 57.7 093.2 -3.4 -26.2 15.0 767.3 639.3 302.3 65.3 093.2 -3.4 -27.4 15.0 767.3 639.3 302.7 61.0 093.2 -3.4 -27.4 15.0 743.4 636.3 302.8 65.2 050.7 -27.2 18.6 731.8 635.9 302.8 65.2 050.7 -26.5 20.7 720.4 636.7 301.1 76.8 050.7 -27.5 22.5 699.1 636.7 599.1 84.2 1 050.7 -27.5 25.5 699.2 630.0 297.0 78.4 050.7 -27.5 25.5 669.2 6	12500.0	7.040	-3.0	-25.9	15.1	825.7	640.1	289.4	•	•
010.5 -5.5 -26.1 15.0 795.4 040.2 302.3 57.7 091.6 -3.5 -26.2 15.0 767.3 639.3 302.7 65.1 091.9 -3.5 -27.4 15.0 757.3 639.3 302.7 65.1 081.9 -4.8 -27.4 15.0 755.4 636.7 65.1 070.7 -5.9 -27.4 15.0 755.4 630.7 65.1 055.7 -6.9 -27.4 15.0 750.4 631.7 65.1 055.7 -6.9 -26.5 20.7 720.4 634.7 299.1 66.2 0540.4 -7.9 -26.5 20.7 720.4 634.7 299.1 64.3 057.7 -10.3 -27.9 24.2 709.3 63.4 299.4 64.3 057.2 -11.7 -27.5 25.5 669.4 624.9 297.0 78.4 057.2 -13.5 -13.5 27.2 <td< td=""><td>0.00001</td><td>C•970</td><td>-3.5</td><td>-26.1</td><td>15.0</td><td>810.8</td><td>640.0</td><td>300.9</td><td></td><td>•</td></td<>	0.00001	C•970	-3.5	-26.1	15.0	810.8	640.0	300.9		•
004.08 -5.5 -26.2 15.0 767.3 639.3 302.7 61.0 093.2 -3.9 -26.7 15.0 767.3 639.3 302.7 61.0 093.2 -3.9 -27.4 15.0 767.3 639.3 302.7 61.0 050.7 -5.8 -27.2 16.5 743.4 635.9 302.8 69.2 050.7 -6.9 -26.5 16.5 743.4 635.9 302.1 75.1 050.7 -6.9 -26.5 20.7 720.4 637.7 302.6 75.1 050.7 -6.9 -26.5 20.7 720.4 64.2 65.9 10.0 10.5<	3200	010	-3.3	-56.1	15.0	795.4	640.0	302.3	•	•
993-2 -3-9 -26-7 15-0 767-3 639-3 302-7 65-1 15-0 755-2 638-3 302-8 69-2 15-0 743-4 637-1 302-2 73-1 15-0 743-4 637-1 302-2 73-1 15-0 743-4 637-1 302-2 73-1 15-0 731-8 635-9 302-8 69-2 75-1 15-0 -26-5 20-7 720-4 634-7 300-0 80-5 15-0 25-5 26-5 20-7 720-4 634-7 300-0 80-5 15-0 25-7 20-4 634-7 209-1 84-2 15-0 -27-5 25-5 699-1 631-7 299-4 84-2 15-0 -13-3 -28-6 59-6 624-9 297-0 79-9 14-1 -13-3 -29-5 56-4 659-6 624-9 297-0 79-9 14-1 -13-3 -30-5 20-6 624-9 297-0 79-9 14-1 -13-3 -30-5 20-6 624-9 297-0 79-9 14-1 -21-3 -31-5 27-2 65-9 619-8 295-0 80-4 14-1 -21-3 -32-3 -31-5 29-6 619-8 293-0 80-4 14-1 -21-3 -32-4 45-1 612-1 61	•	₽•†UQ	-3.3	-56.2	15.0	780.4	640.1	302.7	• (121000-1
981.9 -4.8 -27.4 15.0 745.2 638.3 302.8 69.2 1 55.0 15.0 743.4 637.1 302.8 69.2 1 55.0 15.0 743.4 637.1 302.8 69.2 1 55.0 15.0 720.4 637.1 302.2 73.1 76.8 15.0 55.0 1	•	2010	4.5-	-24·1	15.0	767.3	634.3	302.7	65.1	1,000,1
559.7 -5.6 -27.2 16.5 743.4 637.1 302.2 75.8 559.7 -5.9 -26.5 20.7 720.4 634.7 300.0 60.5 10.6 534.7 -6.9 -26.5 20.7 709.3 635.4 299.1 60.5 10.6 534.7 -10.3 -26.5 20.7 709.3 635.4 299.1 60.5 10.6 <		6-180	D. 4-	-27.4	15.0	755.2	638.3	302.8	69	1.0001/4
75.9 75.8 18.6 731.8 635.9 301.1 76.8 134.2 299.1 60.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 1		2.0.0	-5.G	-27.2	16.5	743.4	637.1	302.2	73.1	3/1000-1
336.2 -7.9 -26.5 20.7 720.4 634.7 300.0 60.5		7.600	6.01	26.0	18.6	731.8	635.9	301.1	76.8	1.000167
227.7 -10.3 -26.3 22.6 709.3 635.4 299.1 84.3 1.0001 227.7 -10.3 -26.9 24.2 699.1 631.7 296.4 84.2 1.0001 227.7 -10.3 -27.5 25.5 689.2 630.0 297.7 63.4 1.0001 297.7 -11.7 -27.5 25.5 669.9 620.0 297.0 79.9 1.0001 497.2 -13.3 -28.6 25.5 669.9 620.0 297.0 79.9 1.0001 477.4 -17.3 -31.5 27.2 699.9 624.9 297.0 78.4 1.0001 450.4 -20.1 -37.5 28.4 640.4 621.5 295.0 80.4 1.0001 419.1 -21.3 -32.7 34.6 621.0 618.3 293.5 80.6 1.0001 422.0 -22.9 -32.4 45.1 602.1 615.1 291.0 85.7 1.0001 422.0 -25.9 -36.8 43.0 582.3 615.1 291.0	•	0 :	5 : d	-26.5	20.7	720.4	634.7	300.0	80.5	1.0001
10.7	17600.0	230.0	200	-26.3	22.6	709.3	635.4	299,1	84.3	1.000162
11.7	12000	1975	6.01-	-26.9	24.2	699.1	631.7	298.4	84.2	1.000159
13.3 -28.6 25.5 679.6 628.2 297.0 82.6 1.0001 14.7 -30.1 25.5 669.9 624.9 297.0 79.9 1.0001 47/14 -17.5 -31.5 27.2 659.6 624.9 297.0 78.4 1.0001 47/14 -17.5 -31.5 27.8 649.9 623.2 296.9 80.4 1.0001 45/14 -18.7 -37.5 28.4 640.4 621.5 296.9 80.4 1.0001 45/1 -27.5 -37.5 28.4 630.9 611.8 295.0 80.0 1.0001 43/2 -27.5 -37.4 40.1 611.3 612.8 293.5 80.6 1.0001 43/2 -27.9 -27.4 45.1 615.1 291.0 85.7 1.0001 422.0 -25.9 -37.4 45.1 50.0 593.1 615.1 291.0 85.7 1.0001 422.0 -25.9 -37.8 43.0 582.1 615.1 291.0 60.1 60.1 60.1	•	7.70) • T l •	-27.5	25.5	689.2	630.0	297.7	53.4	1.000157
194.6 -34.1 25.5 669.9 626.4 297.0 79.9 1.0001 194.2 -31.5 27.2 659.6 624.9 297.0 78.4 1.0001 47.4 -17.5 -31.5 27.8 649.9 625.2 296.9 80.4 1.0001 47.4 -18.7 -37.5 28.4 640.4 621.5 296.9 80.4 1.0001 45.0 -20.1 -27.5 29.4 610.4 293.5 80.6 1.0001 43.9 -22.6 -37.4 45.1 610.4 293.5 80.6 1.0001 430.9 -22.6 -37.4 45.1 610.4 293.0 85.7 1.0001 422.0 -25.9 -25.9 45.1 615.1 291.0 85.7 1.0001 422.0 -25.9 -37.8 43.0 582.3 512.5 292.0 30.0 30.0 30.0	•	20100	10.0	-28·b	25.5	679.6	628.2	297.0	82.6	1.000
77.4 -17.5 -30.5 27.2 659.6 624.9 297.0 78.4 1.0001 47.4 -17.5 -31.5 27.8 649.9 625.2 296.9 80.4 1.0001 46.14 -20.1 -20.1 -27.5 28.4 640.4 621.5 296.9 80.4 1.0001 44.5 1 -20.1 -23.3 29.4 653.9 619.8 295.0 80.0 1.0001 44.5 1 -22.6 -32.7 40.1 612.1 615.1 291.0 85.7 1.0001 43.2 -25.9 -35.7 50.0 593.1 615.1 291.0 85.7 1.0001 413.2 -26.0 -34.8 43.0 582.3 512.3 289.3	10500	7.764	\ • • • • • • • • • • • • • • • • • • •	T-02-	25.5	6.699	626.4	297.0		1.000
	0.00061	70/11	•	-30·p	27.2	9.649	654.9	297.0		
.0 450-4 -20-1 -33-5 28-4 640-4 621-5 296-1 80-4 1-0001 .0 450-4 -20-1 -33-3 29-4 650-9 619-8 295-0 80-0 1-0001 .0 449-1 -21-3 -32-7 34-8 621-0 618-3 293-5 80-6 1-0001 .0 439-9 -22-6 -32-4 40-1 611-3 610-8 292-0 61-8 1-0001 .0 430-9 -23-9 -32-4 45-1 602-1 615-1 291-0 85-7 1-0001 .0 42-0 -25-9 -32-7 50-0 593-1 615-1 290-0 89-7 1-0001 .0 413-2 -26-8 -34-8 43-8 582-3 612-6 289-3	200000	***	•	-31.5		649.4	623.2	596.5		
.0 434.4 -21.3 -33.3 29.4 630.9 619.8 295.0 80.0 1.0001 .0 444.1 -21.3 -32.7 34.8 621.0 618.3 293.5 80.6 1.0001 .0 434.9 -22.6 -32.4 40.1 611.3 610.8 292.0 61.8 1.0001 .0 430.9 -23.9 -32.4 45.1 602.1 615.1 291.0 85.7 1.0001 .0 42.0 -25.9 -32.7 50.0 593.1 615.1 290.0 89.7 1.0001 .0 413.2 -26.8 -34.8 43.0 582.3 612.	•	0 / 0 / 5	1:01-	-37.5	œ.	\$.04Q	621.5	296.1		
.0 439.9 -22.6 -32.7 34.8 621.0 618.3 293.5 80.6 1.00014 .0 430.9 -22.6 -32.4 46.1 611.3 610.8 292.0 61.8 1.00013 .0 420.9 -23.9 -32.4 45.1 602.1 615.1 291.0 85.7 1.00013 .0 422.0 -25.4 -32.7 50.0 593.1 613.3 290.0 89.7 1.00013 .0 413.2 -26.0 -34.8 43.0 582.3 612.5 289.3 92.1	•	1001	-20.1	-33.3	0	630.9	619.8	295.0	80.0	
.0 430.9 -72.6 -32.4 40.1 611.3 610.8 292.0 611.8 1.00013 .0 430.9 -73.9 -32.4 45.1 602.1 615.1 291.0 85.7 1.00013 .0 422.0 -25.4 -32.7 50.0 593.1 613.3 290.0 89.7 1.00013 .0 413.2 -76.0 -34.8 43.0 582.3 612.5 289.3 92.1	٠	1・カー:	•	-35.1	3	621.0	618.3	293.5	AO. 6	1000
.0 430.9 -23.9 -32.4 45.1 602.1 615.1 291.0 85.7 1.00013 .0 422.0 -25.9 -32.7 50.0 593.1 613.3 290.0 89.7 1.00013 .0 413.2 -76.0 -34.8 43.0 582.3 512.5 512.5 512.5	•	ナ・スワナ	•	-32.4	=	611.3	61p.H	292.0	4	1000
.0 422-0 -25-4 -32-7 50.0 593.1 613-3 290.0 89.7 1-00013 -0 413-2 -289.3 62.1 1.0013	•	a,	•	-32.4	r	602.1	615.1			
3500.0 413.2 -76.0 -34.8 43.0 582.3 517.6 289.3 92.1 1.00012	•	57.	-520	-32.1		593.1	613.1		• •	
	3500.	;	-56.0	-34 · B	43.0	5A2.3	5) (4)	289.3		

F. F.T MSL	HS MST	
4051.37	1129 H	7
TATION ALTITUDE "NOIST FIET MSE	83	11 LEO 11
TALION	e uec.	TON TO

MAN KAN	GEODETIC COUNDINATES	106-31232 LON DEG	INUEX OF REFRACTION	1.000129	1.000127	1.000125	1.000122	1.000119	1.000117	1.000114	1.000112	1.000110	1.000109
1.00X	GEORETIC C	106-31	7EED 40Ts	3.46	96.1	96.2	96.3	96.2	0.96				
AND THE RESERVE A			WIND DATA DIRECTION SE DEGREES(TW) KA	288.6	288,1	268.1	288.1	288.0	289.4				
333333	41 06 A T A	ont'd)	SPEEU OF SUUND KNO1S U	610.0	609.5	50B+2	607.1	5000	60d•2	608•6	8.009	605.0	603.2
WAR.	1,PPER AIR DATA 3440180180	TABLE 12 (cont'd)		573.2	563.8	554.2	544.7	531.1	520.1	508.3	500.5	492.9	485.3
e Response	2	TA	KEL.HHM. DENSITY PERCENT GM/CUHI	43.0	41.9	39.4	36.8	27.1	23.1	20.0	20.0	20.0	20.0
	3 ***	i	PHESSUME TEMPEMATURE AIM DEMPOINT MILLIDAMS DEGREES CENTIGRADE	-36.0	-37.3	-3A.u	-40.3	-42.5	V. 6.4-	3.25-	-46.1	-47.5	-4A.6
DECEMBER 1	51-37 F ₁ ET MSL		TEMPE AIN DEGREES C	-27.3	-28.5	-59.4	-30.4	-59.4	-29.5	-29.1	-30.5	-32.0	-33.5
835888	TITUDE 46	180	PRESSURE MILLIBAKS	404.6	390.1	38/•8	379.6	371.6	363.8	150.1	348.6	2.14C	333.9
	STATION ALTITUDE 4051	ASCENSION NO.	GEOMETRIC ALIITUDE MSL FEE:	24000.0	24500.0	25000.0	25500.0	26000.0	20500.0	27000.0	27500.0	28000.0	28500.0
2522271 75	\$\$\$&\$&\$\$\$\$\$\$	2000	M ESTA	CAS	ij.	~_~``			[~		•••••	. م	·*.

4051.37 F. F. T MSL	10 DEC. 83 1129 HKS MST	
ALTITUDE	83	14 Mills
NOT IN	e DEC.	CHALLES TANKS

MAMOATORY LEVELS 3440180180 . LC-37

GEODETIC COUNDINATES 32-40175 LAT DEG 106-31232 LOH DEG

CONTRACTOR ASSESSED ASSESSED MANAGEM SERVICES (MASS)

PHESSURE G	GEUPOTENI IA	TEN	TEMPERATURE	KEL. HUM.	MINU DATA	DATA	
MILLIBARS	FEET	AIR DEGRÉES	CENTIGRADE	FERCENT	DINECTION DEGREES (1	N STREU N) KNOTS	
850.	4968	11.9	-5.5		278-1	14.0	
800.0	6617.	7.1	9.9 -	37.	284.8	19.8	
750.0	8343.	2.1	0.8-	47.	290.5	29.8	
700.U	10163.	2.1	-21.8	15.	300.3	41.2	
650.0	12111.	-2.0	-24.9	15.	298.5	53.8	
600·n	14149.	4.6-	-26.3	15.	302.7	62.7	
550.0	16428.	-7.8	-26.5	20•	300-1	80.1	
500·n	16832.	-14.4	-30.0	25.	296.9	6.08	
450.0	21418.	-21.2	-32.8	34.	293.7	90.6	
400.0	24231.	-28.0	-36.6	43.	288.3	95.3	
350.0	27359.	-30.3	-42.8	20•			

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